

## **Title: Creating a Home Page -- Gateway to the Information Superhighway**

### **Link to Outcomes:**

- **Problem Solving** Users will investigate how to attach their home pages to their own web sites.
- **Communication** Users will discuss with their web master procedures for linking their home pages.
- **Connections** Users will form connections between their home pages and other web sites using hot keys.
- **Technology** Users will:
  - obtain an e-mail address.
  - gain access to an on-line service such as VA's Pen or America On-Line.
  - make themselves known to the web community.
  - form connections with the global community via their home pages and e-mail addresses.

### **Brief Overview:**

The presence of the INTERNET is a reality in our lives. The World Wide Web (the graphics-rich portion of the INTERNET) is the fastest-growing segment. It is important for students and teachers to be literate in this new technology. Because people learn best by doing, actually authoring a home page is an excellent way to gain an understanding of the structure and power of the World Wide Web.

### **Grade/Level:**

Elementary through adult

### **Duration:**

Three phases

### **Prerequisite Knowledge:**

Basic word-processing skills

**Objectives:**

Each user will:

- understand what is a home page.
- design a home page.
- write a home page in HTML.
- arrange to link the home page to the web site (optional).

**Materials/Resources/Printed Materials:**

- One computer with World Wide Web browsing software and access to Internet; a large screen monitor (optional)
- Computers and word-processing software that can produce an ASCII file
- HTML program shell on disk (optional)
- Handouts containing HTML shell, sample home pages, and an Internet address to an on-line HTML tutorial.

**Development/Procedures:****Phase 1**

- The instructor will demonstrate what a home page is and use a hot key to link to another Web site. In addition, the instructor will introduce the framework of the HTML program that is used to build a home page. The instructor will discuss guidelines for school home page content:
  - Home pages should reflect the mission and character of the school.
  - Home page content should be primarily educational in nature.
  - Home pages should not include personal information such as home addresses or phone numbers.
  - Home pages should include authors' e-mail addresses, according to INTERNET protocol.
- Homework - users decide the content of their home pages

**Phase 2**

- Each user will write a home page on a word processor using HTML syntax.
- Homework - Teacher will aid users in contacting their web-master in order to link their home pages to the World Wide Web.

**Phase 3**

- Users will link their home pages to the Web.

**Evaluation:**

**Phase 2:** The teacher and users will check the home pages while still on the word processor for correct HTML syntax.

**Phase 3:** Users will access and view their home pages through a web browser.

**Extension/Follow Up:**

Learn how to:

- modify and layer home pages.
- add an image to a home page.

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## HTML Shell

```
<HTML>
<HEAD>
<TITLE>
Teacher X's Home Page
</TITLE>
</HEAD>
<BODY>

<H2>My High School Name</H2>
<H1>Teacher X's Home Page</H1>

I was born... (a paragraph about me)

<P>

<H2>My Teaching Schedule</H2>
<OL>
<LI>Subject 1
<LI>Subject 2
<LI>Subject 3
</OL>

<H2>Special Interests</H2>
<UL>
<LI>Example A
<LI>Example B
</UL>

<A HREF="http://pen.k12.va.us/">
Anthology:</A> Virginia Pen's K - 12 Internet Resources

</BODY>
<ADDRESS> teacher@pen.k12.va.us </ADDRESS>
</HTML>
```

## HINTS FOR CREATING HOME PAGES

1. On-line HTML reference manuals:

<http://www.ncsa.uiuc.edu/demoweb/html-primer.html>

2. Look at sample home pages; best of all, in a windows environment, view the HTML source code simultaneously. For example, in Netscape, click on menu option View, and then select Source.
3. To set up your own hot keys, use a web browser such as Netscape to find addresses of web sites that interest you.

# HTML

## HyperText Markup Language

### *Sample Home Page Source File*

**<HTML>**      *<HTML> = Start of a Document in HyperText Format*

**<HEAD>**      *<HEAD> = Header Definitions*

**<TITLE>**      *<TITLE> = Text to appear in header window for TITLE*

Sample Home Page at TJHSST

**</TITLE>**

**</HEAD>**

**<BODY>**      *<BODY> = Start of Body*

**<H2>**Thomas Jefferson High School for Science and Technology**</H2>** *<H2>=Medium Header Font*

**<H1>**HTML Sample Home Page**</H1>** *<H1>=Largest Header Font*

*General text in the BODY is displayed in the default font size*

HTML is the acronym for “HyperText Markup Language,” the language currently used on the World Wide Web by programs such as Xmosaic. The real power of this language is the ability to link other documents, graphics files, and multimedia resources on the Internet.

**<P>**      *<P>=Paragraph Break*

To make your own home page on the WWW, develop a document in the HTML language titled “index.html,” and save the file in a directory “web-docs” on your account. All documents in the HTML language should end with the extender “.html” so that programs such as Xmosaic know how to display them properly.

**<H2>** TJHSST Resources which can access the Internet**</H2>**

**<UL>**      *<UL>=Unordered List*

**<LI>** Geoscience Classroom and “olympus” *<LI> = List Element*

**<LI>** The School LAN and Library

**<LI>****<A HREF=**”http://boom.tjhsst.edu/techlabs/cs/stuff.html”**>** *<A HREF=Anchor Reference*

Unix Systems in the CS Lab**</A>** *Anchor Text will be underlined and BLUE on our systems*

**</UL>**

**<H2>** Some Interesting Places to Search**</H2>**

**<OL>**      *<OL> = Ordered List*

**<LI>** **<A HREF =** “http://boom.tjhsst.edu”**>**

TJHSST’s Own Home Page**</A>**

**<LI>** **<A HREF =** “http://boom/tjhsst.edu/techlabs/cs”**>**

Computer Systems Laboratory**</A>**

**<LI>** Home Page of TJ’s Master of HTML:

**<A HREF =** “http://boom.tjhsst.edu/~nathanw”**>** Nathan Williams**</A>**

**</OL>**

**</BODY>**

**<ADDRESS>** dhyatt@thor.tjhsst.edu **</ADDRESS>**

*<ADDRESS> = email address of author*

**</HTML>**

## **Thomas Jefferson High School for Science and Technology**

### **HTML Sample Home Page**

HTML is the acronym for “HyperText Markup Language,” the language currently used on the World Wide Web by programs such as Xmosaic. The real power of this language is the ability to link other documents, graphics files, and multimedia resources on the Internet.

To make your own home page on the WWW, develop a document in the HTML language titled “index.html,” and save the file in a directory “web-docs” on your account. All documents in the HTML language should end with the extender “.html” so that programs such as Xmosaic know how to display them properly.

### **TJHSST Resources that can access the Internet**

- \* Geoscience Classroom and “olympus”
- \* The School LAN and Library
- \* Unix Systems in the CS Lab

### **Some Interesting Places to Search**

1. TJHSST’s Own Home Page
2. Computer Systems Laboratory
3. Home Page of TJ’s Master of HTML: Nathan Williams  
*dhyatt@thor.tjhsst.edu*